BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

		Estimate Cost Rs.	500000.00

me of Work: Detailed Estimate for the work of Providing Rainwater harvesting at Yelahanka old vn Bangla school and venkatala Govt School in kempegowda ward no-01

l o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
l	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. No. 143/ Item No. 19.1/ SR 2018-19	cum							
	for infiltaration well		1	1.60	1.60	1.50	3.84		
	for Chamber		1	1.50	1.50	1.00	2.25		
	for Percolation tank		1	3.00	3.00	1.50	13.50		
	for soak pit		1	3.00	3.00	1.50	13.50		
	for recharging shaft		1	2.43	2.43	3.00	17.71		
			1	3.96	3.96	3.00	47.04		
							97.85	**137.80**	**13484.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
2	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification No. KBS 2.1(a) / 2.3.5 SR 2018-19	**cum**							
	for infiltaration well		1	1.60	1.60	1.50	3.84		
	for Percolation tank		1	3.00	3.00	1.50	13.50		
	for soak pit		1	3.00	3.00	1.50	13.50		
	for recharging shaft		1	2.43	2.43	1.57	9.27		
			1	3.96	3.96	1.00	15.68		
							55.79	**316.94**	**17683.00**
	Basic Rate	299.00							
	Area Weightage @ 6%	17.94							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**316.94**							
	KSRRB M100-1 Loading and unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19	cum							
			Vide Item No. 1+2				**153.64**	**87.56**	**13452.00**
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage @ 6%	4.96							
	Grand Total	87.56							
4	KSRB 2.8 : Providing and filling in foundation with granite/trap **broken metal 100mm,** and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification No. KBS, No. 6/ Item No. 2.15/ PWD SR 2018-19	Cum							
	for soak pit		1	3.00	3.00	2.10	18.90		
							18.90	2574.74	48663.00
	Basic Rate	2429.00							
	Area Weightage @ 6%	145.74							
	Total	2574.74							
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 22/ Item No. 5.5/ SR 2018-19	cum							
	for recharging shaft		1	3.96	1.00	1.52	6.02		
							6.02	4763.64	28673.00
	Basic Rate	4494.00							
	Area Weightage @ 6%	269.64							
	Total	4763.64							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	CC Pipe NP 2 1200 mm dia including collers Page No XII Sl No 594 code 0830 SR 2018-19	Mtrs							
	or infiltaration well		1	3.00			3.00		
							3.00	4478.05	13434.00
	Basic Rate	4224.58							
	Area Weightage @ 6%	253.47							
	Total	4478.05							
	RCC Precast covering slab for drain (10cm thick)	sqm							
	(3.14x1.52x1.52)/4 (infiltration)						1.82		
	1.813664								
	for Percolation tank		1	3.00	3.00		9.00		
	for recharging shaft		1	3.96	3.96		15.68		
			1	2.43	2.43		5.90		
			1	3.96	0.91		3.60		
							36.01		
	deduct chamber cover		1	0.60	0.60		0.36		
	36.01-0.36=35.65						35.65		
							35.65	2337.00	83314.00
	Rate Approved by BBMP	2337.00							
8	0750 - Supply and Providing Aggregate 40 mm and below SR 2018-19 (P.II / SL No 25)	cum							
	for infiltaration well		1	1.52	1.52	0.30	0.69		
			2	1.52	0.15	2.60	1.19		
	for chamber		1	1.50	1.50	0.30	0.68		
	for Percolation tank		1	3.00	3.00	0.30	2.70		
	for soak pit		1	3.00	3.00	0.30	2.70		
	for recharging shaft		1	2.43	2.43	0.60	3.54		
			1	3.10	4.00	0.30	3.72		
							15.22	1156.92	17604.00
	Basic Rate	1091.43							
	Area Weightage @ 6%	65.49							
	Total	1156.92							
9	0749 - Supply and Providing Aggregate 20 mm and below SR 2018-19 (P.II / SL no 28)	cum							
	for soak pit		1	3.00	3.00	0.30	2.70		
	for recharging shaft		2	2.43	0.75	4.57	16.66		
			1	3.96	0.75	1.52	4.51		
							23.87	1156.92	27618.00
	Basic Rate	1091.43							
	Area Weightage @ 6%	65.49							
	Total	1156.92							
10	0731 - Supply and Providing Sand PWD SR 2018-19 (P.III / SR No 51	cum							
	for infiltaration well		1	1.52	1.52	0.30	0.69		
	for soak pit		1	3.00	3.00	0.30	2.70		
							3.39	1781.81	6046.00
	Basic Rate	1680.95							
	Area Weightage @ 6%	100.86							
	Total	1781.81							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	.SRB 4-1 2: Providing and laying in osition plain cement concrete of nix 1:3:6 with OPC @ 220kgs, with mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW;P&IWTD S.R 2018-19)	Cum							
	for Chamber	2x2	4	1.50	0.23	0.20	0.28		
	for Percolation tank	2x2	4	3.00	0.30	0.20	0.72		
	for recharging shaft		2	3.96	0.23	0.20	0.36		
			2	3.50	0.23	0.20	0.32		
			2	2.43	0.23	0.20	0.22		
			2	1.97	0.23	0.20	0.18		
							2.09	5505.64	11491.00
	Basic Rate	5194.00							
	Area Weightage @ 6%	311.64							
	Total	5505.64							
12	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 26/ Item No. 5.27/ PWD SR 2018-19	sqm							
	for chamber		2	1.50		1.00	3.00		
			2	1.20		1.00	2.40		
	for Percolation tank		2	3.00		3.00	18.00		
			2	2.70		2.70	14.58		
	for recharging shaft		2	2.43		3.97	19.29		
			2	1.97		3.97	15.64		
			2	3.96		3.96	31.36		
			2	3.50		3.96	27.72		
			3	3.00		3.00	27.00		
							159.00	966.72	153708.00
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total	966.72							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 Page No. 31/ Item No. 7.9/ PWD SR 2018-19	Kgs							
	for chamber		1	7.00			7.00		
							7.00	100.70	705.00
	Basic Rate	95.00							
	Area Weightage @ 6%	5.70							
	Total	100.70							
14	Man hole cover 24" x 24" Page No XXXII Sr 2018-19	Nos							
			1				1		
	for recharging shaft		2				2		
							3	2652.12	7956.00
	Basic Rate	2502.00							
	Area Weightage @ 6%	150.12							
	Total	2652.12							
							Sub total		443831
							12% GST		53260
15	Miscellaneous charges								
									2909.28
								Total	500000.00
(Rupees Five lakhs Only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 5.00 Lakhs
Five Lakhs only
is accorded under head P.1771-2018-19
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/AA/2K/18-19 Dt. 25-2-19

TECHNICALLY SANCTIONED FOR Rs. 5.00 Lakhs
Rupees Five Lakhs only
Under P.1771-2018-19
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. ...../91
Dt. ..... Estimate A/ Sanctioned No. CE/TS/28/18-19
Dated 25.02.19 Rs 5.00 Lakhs

Executive Engineer